

COMX-P2020 Quick Start Guide

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1 Box contents

Make sure you receive all items of your shipment:

- One COMX-P2020 COM Express Module
- One printed copy of Quick Start Guide (this document)
- One printed copy of Safety Notes Summary
- Optional items that were ordered



When installing or servicing the system or accessories, strictly observe the safety precautions in the *Safety Notes Summary*. Ignoring these instructions can void the system warranty and cause personal injury or property damage.

2 ESD

Use ESD protection



Electrostatic discharge and incorrect installation or removal of the card can damage circuit or shorten its life.

Use a properly grounded ESD wrist strap or work in an ESD-safe environment.

Connect to the ESD connector at the front or the rear of the system.

3 Site preparation

1. Make sure that all environmental and power requirements defined in the *COMX-P2020 Installation and Use* manual are met.
2. The COMX-P2020 module must be in good condition, without defects such as oxidation, chemical corrosion, missing components, or transportation damage.
3. Confirm the position where the COMX-P2020 module will be installed.

4 Install the memory module

1. Wear an ESD-preventive wrist strap.
2. Lay the COMX-P2020 module on an ESD workbench.
3. Take the memory module out of the anti-static package, holding it by its edges.
4. Line up the notch located on the row of the metal pins at the bottom of the memory module with the key in the SODIMM slot on the board.
5. Insert the memory module into the top side SODIMM memory socket.
6. Press down on the memory module against the COMX-P2020 module until you hear it snap into place.
7. The modules must be properly aligned before you press it down into its final position.

Note: You can remove the module from the socket and reinstall it if you cannot easily press it down into its final position.



Do *not* touch the memory chips when handling the module.
Do *not* press on the memory chips when you push it into its final position.
Do *not* touch the metal pins.

5 Install the MicroSD card

1. Insert the MicroSD card to the MicroSD socket.
2. Make sure that the metallic contact point of the MicroSD card and the MicroSD socket are lined up correctly.

6 Install the heat spreader/cooler

1. Check the thermal interface material pads on the heat spreader/cooler. Make sure the pads are aligned to their corresponding components on the COMX-P2020 module.
2. Align the standoffs of the heat spreader/cooler with the screw holes on the COMXP2020 module.
3. Hold the heat spreader/cooler and COMX-P2020 module.
4. From the backside of COMX-P2020 module, use two screws to fasten the module to the heat spreader/cooler through two internal mounting holes.

7 Install COMX-P2020 on the carrier board

1. Line up the board-to-board connector of the COMX-P2020 module assembly with the board-to-board connector of the carrier board.
2. Make sure that the inter-connectors are properly aligned and that the bottom surface of the COMX-P2020 module have contact with the four standoffs on the carrier board.
3. From the topside of the COMX-P2020 module assembly, locate the screw holes on the heat spreader/cooler.
4. Use the screws to fasten the COMX-P2020 module assembly to the carrier board.
5. n the input LEDs on the power supplies illuminate green.



Technical Assistance

For technical assistance or to report product damage or shortages, contact your local SMART Embedded Computing sales representative or visit <https://www.smartembedded.com/ec/support/>

Get More Information



For more information on this product, see the *COMX-P2020 Installation and Use* manual and other related technical documentation, which can be found by using the Documentation Search at <https://www.smartembedded.com/ec/support/>.



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